



Oracle Image and Process Management

SYSTEM OVERVIEW

City of Milwaukee

841 North Broadway

Milwaukee, WI 53202

April 2008

Current License: Oracle IPM Concurrent Server Connections – 5
Oracle IPM Production Client License – 15
Oracle IPM WebView License – 50
License File - 401930

Oracle Scan License Level II - Dedicated – 2
Oracle Index License – Concurrent – 6
Oracle Recognition Server – 1
Oracle SPDF Client – 1
License File – 6-591878

Current Versions: Stellent IM v 7.6
Captovation v5.1 sp1

The City currently has 26 departments using the Oracle IPM (E-Vault) system. System capacity as of April 22, 2008 was 3,324,752 images. Images are stored on 2.6GB WORM (write once read many) optical disks in a Plasmon M104-695-2 optical library.

Oracle IPM Server and Client Overview

Server

Operating System: Windows Server 2003

Machine Notes: Dell PowerEdge 1855
3.0 GHz/2MB Cache, 3GB DDR2 400MHz
146GB Hard Drive

Oracle IPM Services Installed:

DSMS
Export
Request Broker
Security Server
UCON
Alert Service
Audit Service

DSMS (Distributed Software Management Server) is responsible for delivery of the software to the client workstation when using the Oracle IPM production client. When a client connects to Oracle IPM, the DSMS server automatically checks, and if required, delivers the required Oracle IPM tools for each client. It also delivers Oracle IPM software to each middle-tier and application service.

Export service is used in conjunction with the Fax and/or Web Server. The Export Service converts scanned images, COLD pages and Universals into JPG images that can be rendered with an Internet browser. This service also exports these

same file types into TIFF or JPG images for the Fax service. Adobe PDF is also supported when Adobe Acrobat 4.0 and later are installed.

Request Broker directs all of the requests in the Oracle IPM system to the server (or service), which is capable of fulfilling the process requested.

Security Server is responsible for verifying user security and access rights. This server is integrated with the Windows security model for user and group validation utilizing Windows Active Directory for validation of username, password, and group assignment.

UCON monitors Oracle IPM license availability and usage.

Alert Service is responsible for tracking and auditing all messages passing through the system. Alert will notify of incomplete tasks and is used to alert of possible problems with the Oracle IPM servers. The servers report at a regular interval to the Alert service to determine whether they are operating normally, report an error, or fail to report.

Audit Service allows client action activity logs, for example the success or failure of the Storage Server to write images to media.

Server

Operating System: Windows Server 2003

Database: SQL 2000

Machine Notes: Dell PowerEdge 1855
3.0 GHz/2MB Cache, 3GB DDR2 400MHz
146GB Hard Drive

Oracle IPM Products Installed:

Document Index Server
Information Broker
Search Manager

Document Index Server (DIS) provides index value management for Imaging. DIS indexes objects and allows for later modification.

Information Broker translates requests from the client and other servers to the database utilizing ODBC. Both the client and servers communicate through Information Broker, which directs and translates the commands into either SQL (utilizing the query processor in SQL Server for query optimization) or C-index. The response is returned from the database to Information Broker, which translates the information and returns it to the server or client that requested it. Information Broker is the single point of access to all information sources.

Search Manager Service manages the search results for web clients and ad-hoc queries.

Server

Operating System: Windows Server 2003, IIS

Machine Notes: Dell PowerEdge 1855
3.0 GHz/2MB Cache, 3GB DDR2 400MHz
146GB Hard Drive

Oracle IPM Products Installed:

Oracle IPM Web Services

Oracle Web Services manages all retrieval requests for images from the web client.

Workstation

Operating System: Windows XP Professional

Machine Notes: Pentium Class workstation

Hardware Equipment: Adaptec AHA-2940AU SCSI interface card
Plasmon Optical Library

Oracle IPM Products Installed:

Storage Server

Filer

Oracle Capture Recognition Server (Captovation)

Oracle Capture License Key (Captovation)

Storage Server works in the background with the optical and magnetic hardware and media to store, retrieve, and manage images and data.

Filer takes the input data file, which may be a scanned image, a universal document or a COLD report which originates from an external information management system and, using the document definition created by the document definition editor, puts it into a format and a location, usually an optical drive, which are accessible by Oracle IPM. The indexing feature of Filer is used with third party tools to scan images and bring them into the Oracle IPM system.

Recognition Server is used for batch barcode recognition and automated uploading of images and index information to the Oracle IPM system. Recognition server can also be configured to query external databases for additional index values.

Workstation

Operating System: Windows 2000

Machine Notes: Pentium Class workstation

Hardware Equipment: Canon DR5060F Scanner/Filmer – Installed November 2002
Kofax 650i Card and VRS

Oracle Capture Products Installed:

Oracle Scan
Oracle Index

Oracle Scan is production level scanning software used to scan batches of images. It allows users to add, delete, copy or insert images into batches prior to indexing. Images can be scanned in either Group 4 tiff or PDF file formats. This software is licensed per workstation.

Oracle Index is used to attach index values to images for retrieval from the Oracle IPM repository. Index information can be entered manually or by using the external database look-up function. The version of Oracle index that the City is currently running is concurrent.

Workstation: Scan Station 2

Operating System: Windows 2000

Machine Notes: Pentium Class workstation

Hardware Equipment: Canon DR7580 Scanner – Installed April 2006
Kofax 650i Card and VRS

Oracle Capture Products Installed:

Oracle Scan
Oracle Index

Oracle Scan is production level scanning software used to scan batches of images. It allows users to add, delete, copy or insert images into batches prior to indexing. Images can be scanned in either Group 4 tiff or PDF file formats. This software is licensed per workstation.

Oracle Index is used to attach index values to images for retrieval from the Oracle IPM repository. Index information can be entered manually or by using the external database look-up function. The version of Oracle index that the City is currently running is concurrent.